



International Master's Program in Telecommunication Engineering

Course Name: Cooperative Communications and Networking
合作式通訊與網路

Course Objects:

Cooperative communications have received considerable attention in both academia and industry in the past 5 years. This course provides a comprehensive introduction to cooperative communications and studies the signal processing techniques for cooperative systems with different network topologies and performance requirements.

Course Syllabus:

- Introduction to the cooperative communication
- Basics in Wireless Communications and Diversity Techniques
- Two-User Cooperative Relay Channels
- Cooperation with Multiple Relays
- Fundamental Limits in Cooperative Systems
- Cooperative Multiple Access System
- Higher layer issues in Cooperative Networks